

Date: March 22, 2004 Label No. EV369584450US

I hereby certify that, on the date indicated above, I deposited this paper with identified attachments and/or fee with the U.S. Postal Service and that it was addressed for delivery to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 by "Express Mail Post Office to Addressee" service.

Donald Prater  
Name (Print)

Donald S. Prater  
Signature

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: BELMONT et al.	)	Parent Examiner: P. Mulcahy
	)	
Application No.: Unassigned	)	Parent Group Art Unit: 1713
	)	
Filed: March 22, 2004	)	Confirmation No.: Unassigned
	)	
Docket No.: 356,660CIP1CON5	)	
(3600-151-02)	)	

For: REACTION OF CARBON BLACK WITH DIAZONIUM SALTS, RESULTANT  
CARBON BLACK PRODUCTS AND THEIR USES

**INFORMATION DISCLOSURE STATEMENT**  
**PURSUANT TO 37 CFR 1.97(b)**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

March 22, 2004

Sir:

The attention of the Patent and Trademark Office is hereby directed to the documents listed on the attached Forms PTO-1449. Copies of these documents are of record in parent U.S. Patent Application Nos. 10/139,264, 09/257,237, 09/105,007, 08/572,525, and 08/356,660. Since the present application claims the benefit from U.S. Patent Application Nos. 10/139,264, 09/257,237, 09/105,007, 08/572,525, and/or 08/356,660 under § 120, no copies of the documents need to be provided. However, full English translations of JP 60-115665 and JP 59-122555 are enclosed.

This Information Disclosure Statement is being submitted before expiration of the three month period following filing of the above-captioned application.

Information Disclosure Statement  
U.S. Patent Application No. Unassigned

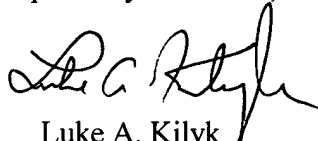
The above information is presented so that the Patent and Trademark Office can, in the first instance, determine any materiality thereof to the claimed invention. *See* 37 CFR 1.104(a) and 1.106(b) concerning the PTO duty to consider and use any such information. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the documents cited in the attached Form PTO-1449 be made of record therein and appear on the first page of any patent to issue therefrom.

This submission does not represent that a search has been made or that no better art exists and does not constitute an admission that each or all of the listed documents are material or constitute "prior art." If the Examiner applies any of the documents as prior art against any claim in this application and applicant determines that the cited documents do not constitute "prior art" under United States law, applicant reserves the right to present to the office the relevant facts and law regarding the appropriate status of such documents.

Applicant further reserves the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should one or more of the documents be applied against the claims of the present application.

It is believed that no fee is required to make this a complete and timely filing. However, if it is determined that a petition or fee is required, the Commissioner is hereby authorized to charge any fee associated with this statement to our Deposit Account No. 03-0060 and please consider this a petition.

Respectfully submitted,



Luke A. Kilyk  
Reg. No. 33,251

Information Disclosure Statement  
U.S. Patent Application No. Unassigned

Atty. Docket No. 356,660CIP1CON5 (3600-151-02)

KILYK & BOWERSOX, P.L.L.C.

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Enclosures: PTO-1449 (13 sheets) and 2 full English translations

**INFORMATION DISCLOSURE CITATION**  
(Use several sheets if necessary)

1 of 12

Atty. Docket No.: 356,660CIP1CONS (3600-151-02)

Application No.:

To Be Assigned

Applicant: BELMONT, et al.

Filing Date: March 22, 2004

Group Art Unit:

To Be Assigned

**U.S. PATENT DOCUMENTS**

*Examiner Initial	Document Number	Date	Name	Class	Sub Class	Filing Date If Appropriate
	2,121,535	06/21/38	AMON			
	3,011,902	12/05/61	JORDAN			
	3,686,111	08/22/72	MAKLOUF et al.			
	3,876,603	04/08/75	MAKLOUF et al.			
	4,006,031	02/01/77	PERCE et al.			
	4,204,871	05/27/80	JOHNSON et al.			
	4,204,876	05/27/80	BOWDEN			
	4,451,597	05/29/84	VICTORIUS			
	4,525,521	06/25/85	DEWEHARTOG			
	4,555,535	11/26/85	BEDNAREK et al.			
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	5,130,363	07/14/92	SCHOLL et al.			
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	5,310,778	05/10/94	SEOR et al.			
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	5,860,001	03/13/99	GESSLER et al.			

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Document Number	Date	Country	Class	Sub Class	Translation
DE 3170748	07/04/85	GERMANY (Abstract)			Yes No
EP 0 441 987	08/21/91	EUROPE			

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

	Belmont et al., USSN 08/356,664, filed December 15, 1994.
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	Belmont et al., USSN 08/356,459, filed December 15, 1994.
	Belmont et al., USSN 08/356,460, filed December 15, 1994.
	Belmont, USSN 08/356,551, filed December 15, 1994.
*	Belmont et al., USSN 08/572,542, filed December 14, 1995.
*	Belmont et al., USSN 08/572,336, filed December 14, 1995.
*	Belmont et al., USSN 08/572,545, filed December 14, 1995.

Examiner

Date Considered

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**U.S. PATENT DOCUMENTS**

*Examiner Initial	Document Number	Date	Name	Class	Sub Class	Filing Date If Appropriate
	2,156,591	05/02/39	JACOBSON			
	2,502,254	03/28/50	GLASSMAN			
	2,625,492	01/13/53	YOUNG			
	2,833,736	05/06/58	GLASER			
	3,528,340	09/15/70	ABOYTES			
	3,607,813	09/21/71	PURCELL			
	3,674,670	07/04/72	ERIKSON <i>et al.</i>			
	3,846,141	11/05/74	OSTERGRUN <i>et al.</i>			
	4,003,751	01/18/77	CARDER			
	4,014,833	03/29/77	STORY			
	4,061,930	12/06/77	GREENBERG			
	4,176,361	11/27/79	KAWADA <i>et al.</i>			
	4,290,072	09/15/81	MANUSUKIAN			
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	4,308,061	12/29/81	INWASEE <i>et al.</i>			
	4,442,256	04/10/84	MILLER			
	4,476,270	10/09/84	BRASEN <i>et al.</i>			
	4,478,905	10/23/84	NEELY, JR.			
	4,503,174	03/05/85	VASTA			
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	4,620,993	11/04/86	SUSS <i>et al.</i>			
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	4,659,770	04/21/87	VASTA			
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	4,680,204	07/14/87	DAS <i>et al.</i>			
	4,681,911	07/21/87	SIMPSON <i>et al.</i>			
	4,692,481	09/08/87	KELLY			
	4,710,543	12/01/87	CEATTA <i>et al.</i>			
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*Examiner Initial	Document Number	Date	Name	Class	Sub Class	Filing Date If Appropriate
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	4,727,100	02/23/88	VASTA			
	4,764,430	08/16/88	BLACKBURN <i>et al.</i>			
	4,770,706	09/13/88	PIETSCHE			
	4,789,400	12/06/88	SCIODAR <i>et al.</i>			
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	4,853,037	08/01/89	JOENSON <i>et al.</i>			
	4,883,338	11/23/89	JUNG <i>et al.</i>			
	4,908,397	03/13/90	BARSOZZI <i>et al.</i>			
	4,914,148	04/03/90	EMLE <i>et al.</i>			
	4,927,368	05/22/90	SCHIMMEL <i>et al.</i>			
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	5,100,470	03/31/92	BEINDAGOLIA <i>et al.</i>			
	5,106,427	04/21/92	BRUSER <i>et al.</i>			
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	5,123,552	06/16/92	JOENSON			
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	5,179,191	01/13/93	JUNG <i>et al.</i>			
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## U.S. PATENT DOCUMENTS

*Examiner Initial	Document Number	Date	Name	Class	Sub Class	Filing Date If Appropriate
	5,182,355	01/26/93	MARTZ et al.			
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	5,206,295	04/27/93	HARPER et al.			
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	5,266,361	11/30/93	SCHWARTZ et al.			
	5,266,406	11/30/93	DEN HARTOG et al.			
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	5,320,738	06/14/94	KAUFMAN			
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Document Number	Date	Country	Class	Sub Class	Translation
					Yes No
862,018	03/01/61	GREAT BRITAIN			
1,164,736	10/14/58	FRANCE w/Translation of Claims			
1,213,395	04/21/60	FRANCE (English Translation)			
1,234,131	04/21/60	FRANCE w/Translation			
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2,564,489		FRANCE (Abstract Only)			
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Initial	Document Number	Date	Name	Class	Sub Class	Translation If Appropriate
	6,067,421	03/11/94	JAPAN (Abstract Only)			
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	636,591	02/01/95	EUROPE (Abstract Only)			
	6,073,235	03/15/94	JAPAN (Abstract Only)			
	05/271,365		JAPAN (Abstract Only)			
	06/025,572	02/01/94	JAPAN (Abstract Only)			
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J.W. Watson, "Chemical Aspects Of Reinforcement", Compounding Research Dept., Dunlop Research Center, Dunlop Rubber Co., pp. 987-999.

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## OTHER DOCUMENTS (Including Author, Title, Date, pertinent Pages, Etc.)

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Tech. Conference, Soc. Plast. Eng.

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	5,281,251	01/25/94	LIN			
	2,514,236	07/04/50	GLASSMAN			
	3,025,259	03/13/62	WATSON et al.			
	3,043,708	07/10/52	WATSON et al.			
	3,335,020	08/08/67	ABOYTES et al.			
	3,479,300	11/18/69	RIVIN et al.			
	4,014,944	03/29/77	VIDAL et al.			
	4,328,041	05/04/81	WILSON			
	4,530,961	07/23/85	NGUYEN et al.			
	4,741,780	05/03/88	ATKINSON			
	5,200,164	04/06/93	MEDALIA et al.			

**FOREIGN PATENT DOCUMENTS**

Document Number	Date	Country	Class	Sub Class	Translation	
					Yes	No
WO 92/13983	08/20/92	PCT				

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

	J. Am. Chem. Soc. 1992, 114, 5883-5884

Examiner

Date Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

**INFORMATION DISCLOSURE CITATION**  
(Use several sheets if necessary)

Atty. Docket No.: 356,660CIP1CON5 (3600-151-02)      Application No.:      To Be Assigned

Applicant: BELMONT, et al.

Filing Date: March 22, 2004      Group Art Unit:      To Be Assigned

**U.S. PATENT DOCUMENTS**

*Examiner Initial	Document Number	Date	Name	Class	Sub Class	Filing Date If Appropriate
	5,401,313	03/28/95	SUPPLZE et al.			

**FOREIGN PATENT DOCUMENTS**

Document Number	Date	Country	Class	Sub Class	Translation Yes      No

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)**

1/1	H. Zeevald et al., "Role Of Oxygen Surface Groups In Catalysts Of Hydrocracking of Carbon Black By Potassium Carbonate," Carbon Vol. 25, No. 6, (1987), pp. 809-819.
1/1	J.D. Robert et al., "Basic Principles Of Organic Chemistry," p. 1099.

Examiner

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**U.S. PATENT DOCUMENTS**

*Examiner Initial	Document Number	Date	Name	Class	Sub Class	Filing Date If Appropriate
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**FOREIGN PATENT DOCUMENTS**

Document Number	Date	Country	Class	Sub Class	Translation	
					Yes	No
EPA 0006190	01/09/80	Europe				
2426266A	12/11/75	Germany				
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**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

	Derwent Publications Ltd., Database WPI Week 3002, AN 80-03330C; SU.A.659 523, April 1979, Abstract
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	Derwent Publications Ltd., Database WPI Week 9524, AN 95-183086; JP.A.07 102 116, April 1995, Abstract
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	PCT International Search Report, Application No. PCT/US 93/16452, Mailing Date: April 17, 1996
	PCT International Search Report, Application No. PCT/IB 93/01154, Mailing Date: April 29, 1996
	PCT International Search Report, Application No. PCT/US 93/16291, Mailing Date: April 26, 1996

Examiner

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Filing Date: March 22, 2004      Group Art Unit:      To Be Assigned

**U.S. PATENT DOCUMENTS**

Examiner Initial*	Document Number	Date	Name	Class	Sub Class	Filing Date If Appropriate
	2,867,540	1/6/59	Hamis			
	3,528,840	9/15/70	Aboytes			

**FOREIGN PATENT DOCUMENTS**

Document Number	Date	Country	Class	Sub Class	Translation Yes or No
1,191,872	5/13/70	Great Britain			
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**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

Derwent Abstract No. 82-28019E, October 17, 1979; SU,A,834 062

Examiner      Date Considered

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**INFORMATION DISCLOSURE CITATION**  
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Applicant: BELMONT, *et al.*

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Group Art Unit:

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Examiner Initial*	Document Number	Date	Name	Class	Sub Class	Filing Date If Appropriate
	5,554,739	9/96	Belmont	534	885	
	5,559,169	9/96	Belmont et al.	523	215	
	5,571,311	11/95	Belmont et al.	108	20 R	
	5,575,845	11/96	Belmont et al.	108	71	

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Document Number	Date	Country	Class	Sub Class	Translation Yes or No

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

	S. Wolf, et al., "The Influence of Modified Carbon Blacks on Viscoelastic Compound Properties," presented at the ikt/irc '91, Essen (Feg. Rep. Of Germnay, June 24-27, 1991 (7 pages)

Examiner		Date Considered	
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FORM PTO-1449 (REV 7-80)				Atty. Docket No. 356,660CIP1CON5 (3600-151-02)		Application No.	
INFORMATION DISCLOSURE STATEMENT				APPLICANT: BELMONT et al.			
				Filing Date: March 22, 2004		Group Art Unit: 1713	
U.S. PATENT DOCUMENTS							
EXAMINER'S INITIALS		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE, IF APPROPRIATE
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
		WO 92/13983	8/2/92	WIPO	C25D	11/00	(previously provided under §120)
		JP 60115665	6/22/85	Japan	C09C	1/56	yes
		JP 59122555	7/16/84	Japan	C09C	1/56	yes
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
	EPO Opposition Notice dated May 7, 2003						
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	N. L. Allinger et al. "Organische Chemie", 1980, page 292.						
	N. Tsubokawa "Functionalization of Carbon Black by Surface Grafting of Polymers", Prog. Polym. Sci., Vol. 17, pages 417-470, 1992						
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EXAMINER				DATE CONSIDERED			
<p>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>							